

DERWENT- 1978-70820A  
ACC-NO:  
DERWENT- 197840  
WEEK:

COPYRIGHT 2009 DERWENT INFORMATION LTD

TITLE: Basic steel-making slags treated with lime to obtain  
usable material with compsn. similar to Portland cement

PATENT-ASSIGNEE: CENT RECH METALLURGIQUES [CNRM]

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE  
BE 867391 A September 18, 1978 FR

INT-CL-  
CURRENT:

TYPE IPC DATE  
CIPS C04 B 7/147 20060101  
CIPS C21 B 3/06 20060101

ABSTRACTED-PUB-NO: BE 867391 A

BASIC-ABSTRACT:

Parent patent described the treatment of metallurgical slag to obtain a compsn. similar to that of Portland cement where the slag originates from the oxygen refining of molten iron not contg. phosphorus. The novelty is that, after eliminating the prods. obtd. by reducing the oxides of Fe and Mn, an amt. of CaO is added to the molten slag to provide a CaO content similar to that present in Portland cement.

The lime is pref. added as a powder, esp. as a suspension in a combustible gas fed through the outer annulus of a burner using two coaxial pipes, the inner pipe supplying a gas contg. O<sub>2</sub>, possibly pure O<sub>2</sub>. See also 867392.

Process rapidly produces the desired CaO content in non P contg. basic slags obtd. during steel making.

TITLE- BASIC STEEL SLAG TREAT LIME OBTAIN MATERIAL COMPOSITION  
TERMS: SIMILAR PORTLAND CEMENT

DERWENT-CLASS: L02 M22

CPI-CODES: L02-C03; M24-A07;